CORRES. CONT OUTGOING LTR. DOE ORDER # 4700 1 GRF D 2 9 DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BROUSSARD, M. C. DEBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M. VESS, TY SCHMUCK, TOHW	Ν	Ο.
OUTGOING LTR. DOE ORDER # 4700 ARF DQ 7 DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BROUSSARD, M. C. DEBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	Ν	Ο.
DOE ORDER # 4700 ARF D 2 9 DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BROUSSARD, M. C. DEBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BEROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	D.I 6 X	
DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BEROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	3
DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BEROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	3
DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BEROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
DISTRIBUTION ADAMS, C. S. BLAKESLEE, D. J. BEROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
ADAMS, C. S. BLAKESLEE, D. J. BROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
BLAKESLEE, D. J. BROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
BLAKESLEE, D. J. BROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
BROUSSARD, M. C. DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	X	
DeBOER, D. J. EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	<u>X</u>	
EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
EVANS, C. S. FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
FISHER, D. A. LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
LAW, J. E. MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
MCANALLY, J. L. PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
PARKER, A. M. STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.		
STEFFEN, D. E. SPITTLE, C. W. TYSON, A. M.	_	_
SPITTLE, C. W. TYSON, A. M.		
SPITTLE, C. W. TYSON, A. M.		
TYSON, A. M.		
TYSON, A. M. VESS, TY SCHMUCK, TOHW		
VESS, TY SCHMUCK, TOHN	∇	
SCHMUCK, TOHN	2. 1	
SCHMUCK, TOHN		
	X	1
	-	-1
1	_	ш
	- 1	
	_	
-		1
		-
1		. 1
		-1
		1
		\vdash
		1
		\vdash
		\vdash
	_	
i		
		-
		Ш
i		1
		М
	-	
		ப
		7
	_	-1
	7	├
FILE	X	
RMRS CORRES, CTRL. (080)	X	
	X	\vdash
CORRES. CTRL. (T130G)	Λ	
PATS	L	
CLASSIFICATIO	M	
		
UCNI	L	↓ 1
UNCLASSIFIED	X	1 1
CONFIDENTIAL	i è	
		
SECRET		╚
AUTHORIZED CLASS	3121	ED
	315	C17
SIGNATURE		1
DOCUMENT OF ACCUSES	711	į
DOCUMENT CLASSIFICA		
REVIEW WAIVER PE	Я	-
CLASSIFICATION OFFI	5 E	:O: 1
		1
CLASSIFICATION OFFI	٠, ٠,	1
CLASSIFICATION OFFI IN REPLY TO REETS D		
CLASSIFICATION OFFI		S:
CLASSIFICATION OFFI IN REPLY TO REETS D		St 1
CLASSIFICATION OFFI IN REPLY TO REETS D		Sr]
CLASSIFICATION OFFI IN REPLY TO REETS D AG LITEM STA TAILTIAL OPEN	FU	
CLASSIFICATION OFFI IN REPLY TO REETS D	FU	s]]



Rocky Flats Environmental Technology Site

P.O. Box 464

Golden, Colorado 80402-0464 Phone: (303) 966-2678 Fax: (303) 966-8244

July 11, 1996



96-RF-02963 96-RM-ER-0086-KH

Stephen J. Hahn Kaiser-Hill Company, Inc. P. O. Box 464, Bldg. T130C Golden, CO 80402-0464

SHAKEDOWN OF OPERABLE UNIT 7 (KH00003NS1A) - MCB-016-96

Thank you for sharing your concerns regarding the Operable Unit (OU) 7 seep collection and treatment operations. It is important to remember the system is not considered to be in full scale operation at this time. The system is currently in "shakedown," which means we are employing a trial and error approach to optimize treatment and maintain consistent operations. Individual components will be modified, added, deleted, and possibly even re-modified during this phase. The goal is to achieve a steady-state to the flow, minimize the waste generated, and consistently meet Applicable or Relevant and Appropriate Requirements (ARARs).

Work at the site is currently being conducted under the Integrated Work Control Program. Procedures and a Sampling And Analysis Plan (SAP) are being developed during the shakedown process. They will be incorporated as appropriate into future operations.

In response to your specific issues, the following information is currently available.

1. While the Proposed Action Memorandum (PAM) is not explicit, it does imply that more than one Granular Activated Carbon (GAC) canister will be used. During this shakedown period, we will experiment with two canisters. If the system will support two, we will maintain it in that configuration.

A draft SAP has been reviewed internally. Comments are currently being incorporated. Quarterly volatile organic compound sampling will be completed, and operational sampling as necessary to ensure adequate treatment through the GAC unit will be included. The revised draft will be transmitted to you for review. We will determine the waste stream carbon use rate. This will drive sampling frequency and will be incorporated into the SAP. Alternate frequencies and sampling points will be included for a multiple GAC canister system as well. Additionally, the required effluent sampling and carbon monitoring will be conducted. Together these sampling requirements will ensure safe and compliant operation.

During initial start-up, the vault water level equalized at approximately 20 inc. above the outlet pipe. Since the high level alarm is located at the top of the exit pipe from the concrete vault, it was continuously lit. At that level, there was still three feet of free board providing adequate response time. Through continuous modifications, the system is now maintaining the vault water level below the current alarm location.

Best Available Copy

ADMIN RECCRD 1/2

1.

S. J. Hahn July 11, 1996 96-RF-02963 Page 2

The PAM does address temporary events. It is stated in Section 3.1 that "Some seepage may bypass or overflow the interception system during unusual flow periods." If the concrete vault had not been pumped, it would have overflowed. By directing the potential overflow waters into the outflow channel, we were prudent in protecting the environment by limiting impacts from an uncontrolled release. We hope this will not be required routinely. However, we have engineered and installed an overflow path for the tank in order to direct any future overflow waters to the outlet pipe drainage.

3. Larry Woods of Kaiser-Hill, Inc. was contacted regarding the water in the wetlands area north of the fill material. Larry does not feel there is any potential wetlands issue. I have requested Larry to contact you directly to discuss the situation and explain any actions he may have taken. If Larry notifies me of any future concerns, I will notify you as well.

If you have any questions, please feel free to call me at extension 6007.

Marla C. Broussard

Environmental Operations Manager

Rocky Mountain Remediation Services, L.L.C.

<u>j</u>lm

 ∞ :

A. K. Sieben (Kaiser-Hill) RMRS Records Center